

Application No. 10/786,034
Amendment dated September 13, 2006
Reply to Office Action of June 13, 2006

Docket No.: 4686-0104P

AMENDMENTS TO THE CLAIMS

1. (Original) A method of manufacturing radiating module, comprising the steps of:

a. forming coaxial upper through holes and lower through holes on a plurality of radiating fins, such that each of said upper and lower through holes has an annular flange axially extended toward the same side of said radiating fins;

b. successively and parallelly arranging said radiating fins, so that a space equal to an axial length of said annular flange is left between any two adjacent radiating fins to serve as an air passage, and said coaxial upper and lower through holes form several rows of hollow paths on said radiating fins;

c. extending two ends of a plurality of U-shaped heat-transfer tubes into said hollow paths formed from said coaxial upper and lower through holes, so that said radiating fins are connected to said heat-transfer tubes; and

d. connecting a seat to said heat-transfer tubes, so that said seat is in contact with a bottom surface of said radiating fins.

2. (Original) The method of manufacturing radiating module as claimed in claim 1, wherein said step (d) further includes the step of applying a bonder on a surface of said seat in contact with said heat-transfer tubes, so as to bond said seat to said heat-transfer tubes.

3. (Original) The method of manufacturing radiating module as claimed in claim 2, wherein said bonder is selected from the group consisting of paste tin, gold, and silver.

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4. (Original) The method of manufacturing radiating module as claimed in claim 1, wherein said radiating fins are made of aluminum material, and said seat and said heat-transfer tubes are made of copper material.

5. (Currently amended) A radiating module, comprising:

a plurality of radiating fins having through holes formed at predetermined positions thereon;

at least one heat-transfer tube extended through said through holes formed on said radiating fins; and

a seat connected to said at least one heat-transfer tube and in contact with a lower surface of said radiating fins, the seat has an area smaller than an area of the lower surface of the radiating fins;

whereby heat energy may be quickly transferred from said seat to said at least one heat-transfer tube and then radiated from said radiating fins.

6. (Canceled)

7. (Original) The radiating module as claimed in claim 5, wherein said radiating fins are made of aluminum material, and said at least one heat-transfer tube and said seat are made of copper material.

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8. (Original) The radiating module as claimed in claim 5, wherein said lower surface of said radiating fins is provided with an open-bottomed recess, into which said seat is set.

9. (Original) The radiating module as claimed in claim 5, wherein said at least one heat-transfer tube has at least one U-turn provided at a predetermined position on said heat-transfer tube.

10. (Original) The radiating module as claimed in claim 5, wherein there are two or more said heat-transfer tubes included in said radiating module.

11. (Original) The radiating module as claimed in claim 5, wherein said seat and said at least one heat-transfer tube are connected to one another via bonder.

12. (Original) The radiating module as claimed in claim 11, wherein said bonder is selected from the group consisting of paste tin, gold, and silver.

13. (Canceled)

14. (Canceled)

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15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Canceled)